

From: [Rinaldi, Jerry](#)
To: [Bardo, Kenneth](#)
Cc: [Kay, Robert](#)
Subject: RE: Solutia Additional Info [Periodic Technincal Review]
Date: Thursday, February 13, 2014 3:26:34 PM

I was just about to send responses this afternoon to the comments below when I received your related e-mail this morning. I will withhold the former and get back to you about the latter very shortly (vacation 2/17 - 19).

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From: Bardo, Kenneth [<mailto:bardo.kenneth@epa.gov>]
Sent: Wednesday, January 29, 2014 12:21 PM
To: Rinaldi, Jerry
Cc: Kay, Robert
Subject: Solutia Additional Info

jerry, we would like to request additional supporting data to help us complete our evaluation of the recent GW technical review submittal. if it is easier for USGS to contact GSI directly about this additional info, let me know. thanks, ken

1. the 2014 periodic technical review provides benzene and chlorobenzene results in table 2 for 2006-2013. Table 3 (mostly MNA parameters) only goes from late 2008 to 2013, same with tables 4a and 4b. if it exists, provide the field parameter data (especially DO) from the earlier sampling events back to 2006. the full dataset would help verify if there is a relationship between DO and VOCs.
2. also provide the dichlorobenzene, SVOCs, ethene and ethane analytical results.
3. also provide the figure showing the sampling locations of the surface water and sediment data presented.
4. provide the references for the statement on p. 12 about the populations that are indicative of low to high biodegradation.
5. provide documentation for the statement on p. 13 that there are biomarkers associated with Proteobacteria, and a complete reference for the statement about permeability ratios and the health of the bacterial community.

6. provide more detail, with references, for how the half life of benzene and chlorobenzene were determined on pages 14 and 15.